

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims:

1. (currently amended) A storage network comprising:

an automated storage system including data access drives that perform read or write operations on storage media and transfer robotics that transfer the storage media to the data access drives;

an interface manager communicatively coupled to each of the data access drives and transfer robotics, the interface manager aggregating configuration information for the data access drives and transfer robotics in the automated storage system;

an interface application provided in computer-readable storage at the interface manager, the interface application generating user interface rendering data for the configuration information; and

a graphical user interface operatively associated with the interface application, the graphical user interface outputting the configuration information in accordance with the user interface rendering data and receiving user input to grant and deny change access permissions for hosts to both the data access drives and to the transfer robotics.

2. (original) The storage network of claim 1 wherein the interface application receives the configuration information from a management pipeline at the interface manager.

3. (original) The storage network of claim 1 wherein the interface application includes a state machine to determine a state of the data access drives and transfer robotics based at least in part on the configuration information.

4. (original) The storage network of claim 1 wherein the interface application includes a render engine to generate the user interface rendering data.

5. (original) The storage network of claim 1 wherein the graphical user interface displays a logical map of the data access drives and transfer robotics.

6. (original) The storage network of claim 1 wherein the graphical user interface displays access permissions for the data access drives and transfer robotics in a table format.

7. (currently amended) The storage network of claim 1 wherein the graphical user interface receives user input to deny and grant the access permissions by selecting one or more of the rows or columns in a window ~~for the hosts to the data access drives and transfer robotics.~~

8. (previously presented) In an automated storage system linked to a graphical user interface including a display and a user interface selection device, a method comprising:
aggregating configuration information at an interface manager for a plurality of system devices including data access drives that receive movable storage media from transfer robotics in the automated storage system;
generating user interface rendering data at the interface manager;
displaying the configuration information in an application window at the graphical user interface in accordance with the user interface rendering data; and
receiving user input in the application window to change access permissions of hosts to the data access drives and the transfer robotics.

9. (original) The automated storage system of claim 8 wherein the method further comprises displaying the configuration information in the application window as a logical map of the system devices.

10. (previously presented) The automated storage system of claim 8 wherein the method further comprises displaying the access permissions for the system devices in the application window.

11. (previously presented) The automated storage system of claim 8 wherein the method further comprises receiving the user input in the application window to grant and deny the hosts access to the data access drives and the transfer robotics.

12. (original) The automated storage system of claim 8 wherein the method further comprises receiving management commands for the system devices based on user input at the application window.

13. (original) The automated storage system of claim 8 wherein the method further comprises copying all access permissions for a first host selection to a second host selection in the application window.

14. (original) The automated storage system of claim 8 wherein the method further comprises removing all access permissions for at least one host selection in the application window.

15. (original) The automated storage system of claim 8 wherein the method further comprises copying all access permissions for a first device selection to a second device selection in the application window.

16. (original) The automated storage system of claim 8 wherein the method further comprises removing all access permissions for at least one device selection in the application window.

17. (previously presented) A method comprising:

aggregating configuration information for a plurality of system devices that include drives for reading and writing data to movable storage media received from transfer robotics in a storage system;

generating user interface rendering data;

displaying the configuration information as a logical map of the system devices at a graphical user interface in accordance with the user interface rendering data; and

receiving user selections from the graphical user interface to edit access permissions of hosts to the drives and the transfer robotics.

18. (previously presented) The method of claim 17 further comprising receiving user selections from the graphical user interface to add and remove drives from the system devices.

19. (original) The method of claim 18 wherein the user selections include copying and pasting access permissions for a first host to a second host.

20. (original) The method of claim 18 wherein the user selections include copying and pasting access permissions for a first system device to a second system device.

21. (new) An automated storage system, comprising:

data access drives that perform read or write operations on storage media in the automated storage system;

transfer robotics that transfer the storage media to the data access drives; and
an interface manager communicatively coupling to hosts to provide access to the data access drives, the transfer robotics, and the storage media, wherein the interface manager provides configuration information so a user at a graphical user interface communicates with the automated storage system to grant and deny access permissions for the hosts to both the data access drives and to the transfer robotics.

22. (new) The automated storage system of claim 21, wherein the graphical user interface identifies the hosts and the data access drives so the user can change the access permissions between the hosts and the data access drives.

23. (new) The automated storage system of claim 21, wherein the graphical user interface provides a window that displays which of the hosts are connected to which of the data access drives so the user can alter the access permissions between the hosts and the data access drives.